THE UNITED SHAMES OF ANTERIOR

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Joseph Harris Co., Inc.

Talkereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of seventeen. Years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic ted of the variety in a public repository as provided by LAW, the right to exteed others from selling the variety, or offering it for sale, or reproducing it, porting it, or exporting it, or using it in producing a hybrid or different therefrom, to the extent provided by the Plant Variety Protection Act 142, as amended, 7 u.s.c. 2321 et seq.)

LETTUCE

'Deep Red'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington

this 25th day of January in the year of our Lord one thousand nine bundred and seventy-nine

Aust VI Sure

Commissioner
Plant Varioty Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

N

Janes Taldering

FORM APPROVED OMB NO. 40-R3712

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
PLANT VARIETY PROTECTION OFFICE
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705

APPLICATION FOR DEADLY VILLE

1a, TEMPORARY DESIGNATION OF	16. VARIETY	KNAME 1 40 113 14 90		AL USE ONLY
VARIETY Special Prizehead		rd også øbberæde (dr) R ed eljeke også by b	PV NUMBER 1	7800086
2. KIND NAME	3. GENUS A	ND SPECIES NAME	FILING DATE	TIME 10:00 A.M.
Leaf (cutting) Lettuce	Lactuo	a Sativa	FEE RECEIVED	DATE: (1)
4. FAMILY NAME (BOTANICAL))	DETERMINATION (1994-200)	1 200	6.12.78
Compositae	June 1	stranski pala i trsept 1 975 jugas i pagagost	\$250.00	10.25.78
6. NAME OF APPLICANT(S)	7- ADDRESS (Code)	Street and No. or R.F.D. I	Vo., City, State, and ZIP	8. TELEPHONE AREA
mond E. Cartasegna		Southeast Mapleh ukie, Oregon 972		(503) 654-5089
9. IF THE NAMED APPLICANT IS NOT A		10. IF INCORPOR	ATED, GIVE STATE AND	11. DATE OF INCOR-
ORGANIZATION: (Composation, partners) Partnership	up, association, etc		CORPORATION	PORATION
12. Name and mailing address of app	licant represent	I		Januaria de la compansión de la compansi
	CANTON ALCOHOLOGIA	医三角性 贊品 人名马克克 点错的	じゅかいき スター・カモエはぬき て	F 1
Joseph Harri	s Co., Inc.	reserva in the first of the second	om i la si kabbasan kan	· 智和
36/U BUITALO Rochester N	KOAQ Aw York 1462	A Phono:	716-594-9411	
TOURCE CEL / IV	ew tork 1402	Thomes.	710-094-9411	\$1. \$1. \$1.
and the second of the second o	with the second			
13. CHECK BOX BELOW FOR EACH ATT	ACHMENT SUBMIT	TED:	and a section of	
THE AMERICAN COLUMN	1	3 TT 1 20 0	ale les lengeles es	ugang
13A. Exhibit A, Origin and Br	rm m r a re in ex	医斯克特特氏 医氯磺胺二甲二酰磺基酚二	and the property of the control of t	rotection Act.)
X 13B. Exhibit B, Novelty State	ment.	signin i Piloni yake biyidi wasi k mali kuti i sana kata mata kata k		
🔀 13C. Exhibit C, Objective Des	cription of the Va	riety (Request form from	n Plant Variety Protection	Office.)
🔀 13D. Exhibit D, Additional De	escription of the V	ariety.		
4A. Does the applicant(s) specify that (See Section 83(a), (If "Yes," and	seed of this variet swer 14B and 14C	y be sold by variety nam below.)	e only as a class of certifie YES X NO	d seed?
 Does the applicant(s) specify that limited as to number of generation 	this variety be ns?	14C. If "Yes," to 14H breeder seed?	3, how many generations o	f production beyond
fulfy	YES X NO	FOUNDATION	REGISTERED	CERTIFIED
5. Does the applicant(s) agree to the	publication of his	/her (their) name(s) and	address in the Official Jou	rnal?
<u>, in the state of the state of</u>		r name taxas ee	and come bed away	X YES NO
6. The applicant(s) declare(s) that a a certificate and will be replenished	viable sample of b d periodically in a	asic seed of this variety coordance with such reg	will be deposited upon req ulations as may be applica	uest before issuance of ble.
The undersigned applicant(s) is (variety is distinct, uniform, and tion 42 of the Plant Variety Act.	are) the owner(s) stable as required	of this sexually reprodu in Section 41, and is en	iced novel plant variety, a ntitled to protection under	and believe(s) that the the provisions of Sec-
Applicant(s) is (are) informed that	false representation	on herein can jeopardize	protection and result in p	enalties.
Producto) is (are) informed that				
1/14/18		X Rays	and E. Car	tasigna.
1/14/18 (DATE)		* Ray	nond E. Car ISIGNATURE OF APPLIE	tasigna,
1/14/78 (DATE)		* Ruys Carta	nond E. Clin (SIGNATURE OF APPLIE Orgna Brot	tasigna.

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

 (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

Harris Seeds

MORETON FARM....... ROCHESTER, N.Y., 14624

TEL. 594-9411.... or 247-3963.... Area Code 716.....

EXHIBIT A

'Deep Red' Plant Patent Application

7800086

Origin and Breeding History of the Variety

- 1. 'Deep Red' originated as a darker, more vigorous offtype from a commercial stock of 'Prizehead'. This segregate was observed in the 1972, 1973 and 1974 crops grown by Cartasegna Brothers. In June of 1974 a single plant selection was made, from which seed was obtained in September.
- 2. Observations from growing out the progeny of this individual selection indicated that this selection was a distinct pureline from the original 'Prizehead'. From this point Mass Selection methods were utilized in the development of the variety. In 1975, 1976 and 1977 the progeny from each successive generation were grown out, re-selecting and increasing the stock on the following basis:
 - A. All recurrent light colored plants similar to the original strain of 'Prizehead', plus all inbetween shades were rogued out. Only the dark colored plants were selected.
 - B. All Plants, regardless of color that were thinleaved were rogued out. The selected plants thus having a slightly thicker leaf than the original 'Prizehead'.
 - C. At full maturity selections were made for "open heads", roguing out all butter ball types.
- 3. Due to the original of this variety, rogueing is required to remove plants with a thin, yellow-green leaf type. The frequency of this off-type is #*150.
- The genetic make-up for this variety was homogenous from the first generation. The attached data from our observational field reports, plus the photographs in Exhibit B indicate that this variety has been stabilized for the past two generations.

Rating 1 2 3 4 (5) Variety Special Pu		the state of the s		Field No	
Vallety OPCC TES	izehead		s	tock No	7-833
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F. .

Spring 1978 - Lettuce Trials - at	
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Variety Deep Red (Special Priz	ehead) Stock No. 511-
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	ate of Bolting 6/27
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LETTUCE, SPINACH, MI	7800086
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Rating 1 2 3 4 5 Variety Grower & History Germination Strong No. of Days to Maturity	LETT Good Fair	UCE, SPINACH, N	USTARD, PARSLE	Field No. Stock No. Date Sown Transplanted
Rating 1 2 3 4 5 Variety Grower & History Germination Strong No. of Days to Maturity Notes	LETT Good Fair	UCE, SPINACH, N Poor D	ustand, Pansle	Field No. Stock No. Date Sown Transplanted Use
Rating 1 2 3 4 5 Variety Grower & History Germination Strong No. of Days to Maturity Notes	Good Fair	PoorO Ro Large) (Upright	oguesSlightly-Spreading	Field No. Stock No. Date Sown Transplanted Use

F305J

JOSEPH HARRIS COMPANY, INC.

Harris Seeds

MORETON FARM
ROCHESTER, N.Y., 14624
TEL. 594-9411
0.47 0000

Area Code 716.....

EXHIBIT B

'Deep Red' Plant Patent Application

Novelty Statement

'Deep Red' is a leaf lettuce most closely resembling 'Prizehead', but it is distinctive in color. The background color of the leaf is a much darker shade of green than 'Prizehead'. The anthocyanin pigment distribution and color are similar to 'Prizehead', but of a darker hue in 'Deep Red'. Photographs 1 and 2 are attached as evidence of the color distinction. Further objective color evaluation is submitted in Exhibit D.

'Deep Red' is also distinctive in having a thicker leaf than that of 'Prizehead'. The average thickness of a mature fully expanded leaf of 'Deep Red' is 0.36 mm (ranging from 0.45 to 0.30), while the average thickness of a leaf of 'Prizehead' measured at the same stage of development is 0.21 mm (ranging from 0.25 to 0.17 mm). This difference was found to be significant at P = .01. Photograph #3 further documents the difference in leaf thickness.

FORM GR-471 (4-3-72)

BAT TERRAÇÃA TORA PER ANTRA PROPERTOR A PROPERTOR PROPER

ST) S DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION UNITED ST

	HYATTSVILLE, MA		经债券联订款	会自有了 在X
ng Kabangan Salahan	OBJECTIVE DESCRIP	TION OF VARIETY		
INSTRUCTIONS: See reverse.	(LETTI	JCE)	alm in the second	Margaret
NAME OF APPLICANT(S)			FOR OFFICIAL	HANDRIN
Raymond E. Cartagena Address (Street and No. or R.F.D. No., Cit			PVPO NUMBER (OU	10000
ADDRESS (Street and No. of R.F.D. No., Cit	y, State, and ZIP Code)	1 () () () () () () () () () (297 - 1 -	
6820 Southeast Maplehur			VARIETY NAME OR TEMI DESIGNATION	PORARY
Milwaukie, Oregon 97222			DEEP R	ED
		SERVICE CONTRACTOR OF SERVICE SERVICES	i di Angelet di pesa	ing a series
Place the appropriate number that	describes the varieta	l character of this	variety in the boxe	s below.
1. PLANT TYPE:		30 = COS	40 = CRISPHEA	D
1 0 10 = CUTTING (Leat) 2		31 = SELF-CLOSIN		
	00 = LATIN	GROUP	42 = GREA	T LAKES GROUP
	Single State of the State of th	32 = LOOSE-CLOSI GROUP	1 177	· · ·
70 = OTHER (Specify)		01.001	44 = NEW Y	ORK GROUP
2. SEED COLOR:	en in the second of the second	ANTHOCYANIN:		
I = WHITE 2 = BLACK 3 =	YELLOW	2 1 = ABSENT	2 = PRESENT	
4. LEAF CONTAINING ANTHOCYANIN:	· · · _ ·			
	Extending to	midrib on ful	ly exposed leave	s.
3 1 = COVERED 2 = SPOTTED	3 = ALONG MARGIN 4:	ABSENT 5 = OTHE	ER (Specify)	SAS :
5. LEAF SURFACE TEXTURE:	6. LEAF SURFACE REFLE	CTANCE:		
2 January State Communication of the state o			Specify)	·
2 1 = SMOOTH 2 = BLISTERED	2 1 = DULL 2 = G	LOSSY 3 = OTHER(Specify)	No. of the last of
7. LEAF MARGINE			NA SECTION OF REPORT	military and a second
2 1 = STRAIGHT 2 = WAVY 3 = CURLED		DENTATE 3 = INCI		
0 - CONLED	TO DEELE INCISE		Denticulate	
8. LEAF SHAPE:		the state of the state of	Promoving a particle (A)	
I = ROUNDED 2 = POINTED	2 1 = BROADER THAN LONG	2 = LONGER THAN BROAD	3 = OTHER (Specify)	
9. LEAF COLOR: (See reverse.)	and the second of the second o		en e	
lepen 2 = pennicu-spown	3 = YELLOW 4 = YEL	LOWISH-GREEN 5 =	GREYISH-GREEN	
7 6 = BLUE-GREEN 7 = DARK-GR				
0. HEADS:		1. PLANT SIZE: (See r	everse.)	
5 1 = SPHERICAL 2 = FLATTEN	ED 18 3 = ELONGATE 181	2 1 = SMALL	្ន ្ត ខេត្តក្នុងក្នុងស្នាក់ ភូមិ	
4 = POINTED 5 = NON-HEADIN	G	2 1 = SMALL :	2 = MEDIUM 3 = LARG	· E
2. CULTURE:		C. 1964.		
3 1 = SUMMER 2 = WINTER 3	= NOT 4 = UNDER GLASS	5 = OTHER (Specify)		
 SIZE OF 10-DAY OLD SEEDLING GROWN when size is 9 mm. or less.) 	UNDER CONSTANT LIGHT	(Growth Chamber) AT 25	5°C.: (Place a zero in firs	
2 8 mm. LENGTH OF SEEDLING	2 7 mm. LENG	TH OF COTYLEDON		H OF COTYLEDON
4. DISEASE RESISTANCE TO: (Enter zeroe	s in box(es) where there is no	special disease resista	nce.)	
0 1 = TIPBURN 0 2 = MOS	AIC $O 3 = DAMPI$	NGOFF	4 = DOWNY MILDEW	Profesional State
$0 5 = \frac{\text{SCLEROTINIA}}{\text{ROT}} 0 6 = \frac{\text{BRO}}{\text{BLIG}}$	WN 7 = BIG VE		8 = OTHER (Specify)	A service
E OUTLINE THE COURTH PEAR /F				<u></u>

15. OUTLINE THE FOURTH LEAF: (For standardization purposes, the fourth leaf should be taken from a 20-day old plant grown under constant light.)

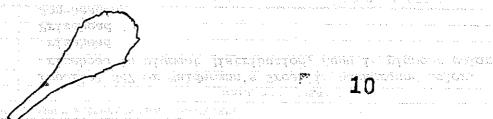


EXHIBIT C

Service and the

TOTAL CONTRACTOR

		CLUSELI KESEMBL	ES THAT SUBMITTE	ν: 	. भार	
CHAR	ACTER			NAME OF VARIETY 100 (3)		
Leaf color		Imperial 847 or Waldemann's Green in background color.			olor.	
Leaf pigmentati	on	Prizehead in pigment distribution, Ruby in pigment col			t color.	
Leaf shape		Prizehead				4
Plant size		Prizehead	ر 💮			
Head size		Non-headin	a [']			
VARIETY	NO. OF DAYS TO HEAD MATURITY UNDER WINTER CROPPING	LOCATION	NO. OF DAYS TO HEAD MATURITY UNDER SUMMER CROPPING	LOCATION	NO. OF DAYS TO SEED STALK EMERGENCE UNDER SUMMER CROPPING	i .
Submitted			48	Rochester,N.	(* x * ::60 x	Rochester,
Similar	·		48	Rochester,N.		Rochester,
Name of ——— similar variety	Ming Nation Report (Ming Nation) - Annual Marketon - Benny (Marketon) - Annual (Ming Nation)		Prizehea	· · · · · · · · · · · · · · · · · · ·	Prizeh e a	ad

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

- 1. C. M. Rodenburg, 1960, Varieties of Lettuce, An International Monograph, Institunt Voor de Veredeling van Tuinbouwgewassen, Wageningen, Holland. ೯೬೬ ರಾಜಕ್ರಿಟ ಪ್ರಕ್ರೀಯ
- 2. L. L. Morse, 1930, Field Notes on Lettuce, published by Ferry-Morse Seed Co. Denticulate

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following lettuce varieties may be used as a guide to identify the eight colors listed on the form.

8 1978

对操行工务 经支	raya i je Pilo.	Carlotte and a section of the sectio	RECF
$\gamma = \mathbb{I}(Q(P) \otimes \operatorname{deg}(E))$	Color	Variety Andrews	SEP 1
COMPANIES ST	ر از Red igio	"Salad Trim" - C zoyla	03 P. 07 11 11
	Reddish-brown	"Ruby"	18/m/
	Yellow	"Salad Bowl"	월 9월
NOTON:	Yellowish-green	"Oakleaf"	10 8
3000000	Greyish-green	"White Boston"	= 740 m
* .	Bluish-green	"Bibb"	61
ti e a dit	Dark-green	"Imperial" group	AMS, GRAIN
일 등 중기에 되었다. 대학	Very dark green	"Deer Tongue"	PVPC
the diskery		5 () 4 COV	

PLANT SIZE: The following varieties may be used as a guide to identify the plant type size: DURA KED

Saya Barramanan manaharaharaharaharaharaharaharaharaharah	A CONTRACT	COMPARABLE VARIETIES	STATE OF THE STATE
TYPE	Street Straff	MEDIUM 534	LARGE
Cutting (leaf) Stalk (stem)	Boston-Curled Celtuce	Prize Head	Grand Rapids
Cos Crisphead	Express Mignonette	Parris Island Hanson (Merit)	Giant White
Butterhead	Tom Thumb	Big Boston	Mammoth Butter
Latin	Sucrine	Creole	neer Tongue

Harris Seeds

MORETON FARM...... ROCHESTER, N.Y., 14624

TEL. 594-9411..... or 247-3963.... Area Code 716....

EXHIBIT D

7800086

'Deep Red' Plant Patent Application

Additional Description of the Variety

'Deep Red' is a cutting (leaf) lettuce most closely resembling 'Prizehead'. The plants have the same non-heading habit as 'Prizehead' with a round leaf, having a blistered surface and a wavy margin like 'Prizehead'. The leaf thickness of 'Deep Red' is thicker than 'Prizehead'. The seed color is white.

'Deep Red' differs most from 'Prizehead' in color. The background leaf color is dark green in 'Deep Red', comparing most similarly with 'Imperial 847' or 'Waldemann's Green'. 'Prizehead' has a yellow background leaf color similar to 'Salad Bowl'. Using Pantone's Color Paper Picker (by Letraset) as a reference, the following comparisons were made on background leaf color:

Variety

Pantone Reference No.

Deep Red Prizehead 364U 377U

The marginal red pigment distribution in 'Deep Red' is similar to 'Prizehead'. Both 'Prizehead' and 'Deep Red' have reddish-brown anthocyanin pigmentation that compares most similarly to 'Ruby'. The reddish-brown color of 'Deep Red' is more intense or of a darker hue, giving the variety a "deeper" red appearance than 'Prizehead'.

ASSIGNMENT

WHEREAS, Joseph Harris Company, Inc. ("Harris"), a corporation duly organized and existing under the laws of the State of Delaware is the owner of United States Plant Variety Protection Certificates listed in Exhibit A hereto; and

WHEREAS, in accordance with a Technology Transfer Agreement (the "Transfer Agreement") among Celanese Corporation ("Celanese"), Moran Seeds, Inc., Harris, CelPril Industries, Inc., Harris Moran International B.V. ("Sellers"), Virginia Chemicals, Inc., Les Produits Organiques du Santerre-Orsan S.A. ("Orsan"), HMS, CP Acquisition Inc., and Exploitatiemaatschappij Wolwevershaven B.V., dated January 1985, and a Purchase Agreement dated December 7, 1985, as amended, among Celanese, Sellers and Orsan, has purchased from Harris said United States Plant Variety Protection Certificates.

NOW, THEREFORE, in accordance with said Transfer Agreement and Purchase Agreement, Harris assigns to Orsan all of its rights, title and interest in and to said United States Plant Variety Protection Certificates.

Harris hereby authorizes Orsan to apply for and obtain the recordation of this Assignment. Harris agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as Orsan may reasonably request in order for Orsan to obtain the full benefits of this Assignment and to permit Orsan to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. Such instruments and documents shall include, without limitation, such applications, affidavits and other documents for filing in such jurisdictions as Orsan may from time to time reasonably request.

By these presents HMS does hereby accept this Assignment and authorize the recording thereof with the appropriate authorities aforesaid.

IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by its proper officers thereunto duly authorized this 10x0 day of January, 1985.

JOSEPH HARRIS COMPANY, INC.,

Assignor

David A. Jenkins Vice President

LES PRODUITS ORGANIQUES DU SANTERRE-ORSAN S.A.

Assignee

Title:

Actorney-in-fact

STATE OF New York

Before me, a Notary Public, in and for said County, personally appeared Introduction who acknowledged that he is Allamount of Les Produits Organiques du Santerre-Orsan S.A. the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Les Produits Organiques du Santerre-Orsan S.A.

of January, 1985. Sworn before me at New York this 10th day

NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL
Notary Public, State of New York
No. 31-4805123
Qualified in New York County
Commission Expires March 30, 198 &

STATE OF New York COUNTY OF New York

Before me, a Notary Public, in and for said County, personally appeared David Colors who acknowledged that he is <u>Vice President</u> of Joseph Harris Company, Inc., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Joseph Harris Company, Inc.

January, 1985

Sworn before me at New York this 10th day

Clex C. Lengyel

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL Notary Public, State of New York No. 31-4805123 Qualified in New York County Commission Expires March 30, 198 & 1

DEED OF ASSIGNMENT

WHEREAS, Les Produits Organiques du Santerre – ORSAN (S.A.), a French corporation having a place of business at 16 rue Ballus, 75009 Paris, France (hereinafter referred to as "ASSIGNOR") owns and is using the Plant Variety Protection Certificates listed on the attached Exhibit for the indicated varieties which were awarded to ASSIGNOR by the Secretary of Agriculture on the indicated dates upon applications filed with the United States Plant Variety Protection Office; and

WHEREAS, Arisix (S.A.), a French corporation having a place of business at 61 rue des Belles Feuilles, 75116 Paris, France,

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said varieties and Plant Variety Protection Certificates;

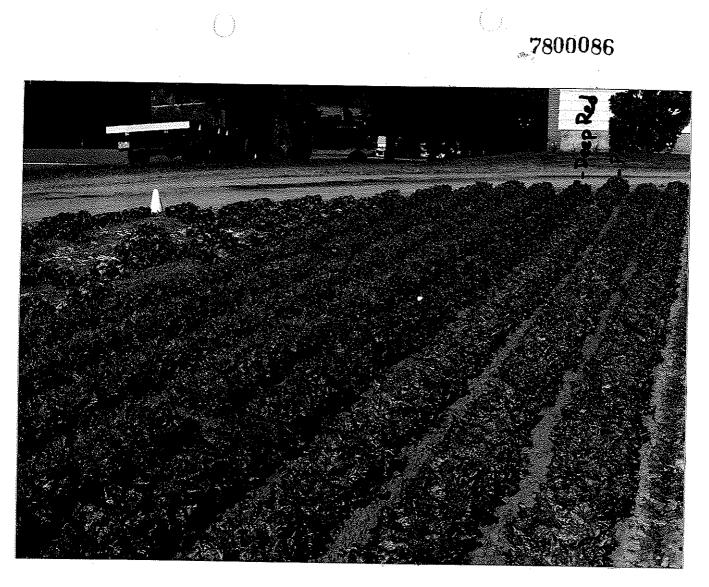
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said varieties and said Plant Variety Protection Certificates in the United States including reissues, and including the right to enforce such rights against any past, present or future violation thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any right, title and interest assigned and transferred hereby.

ASSIGNOR further agrees that it will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the assignment of said Certificates and the perfection of all rights thereto, execute, verify, acknowledge and deliver all such further papers and instruments of assignment and transfer

thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain the listed Certificates and to vest title thereto in said ASSIGNEE or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, an authorized representative of ASSIGNOR has hereunto signed its name to this assignment on the date indicated below.

	Les Produits Organiques du Santerre – ORSAN (S.A.)
Date://11/95	The There
	PHILIPPE ROLLIER
	Print Name
	PRESIDENT Print Title
personally appeared the above-na	, 1993, before me, the undersigned notary public, amed assignor, known to me (or proved to me on) to be the person whose name is subscribed to the dged that he executed the same.
	(Notaire)
Seal/Stamp	VU BRIT CERTIFICATION metanishe SE SIGNATURE FROM A CONTROL OF SERVICE STATE OF SERVICE SERVI



Photograph previously submitted with preliminary exhibits